



CE308 STANDARD SET

HIGH STRENGTH EPOXY ADHESIVE

DESCRIPTION

FasTrac CE308 Epoxy Anchoring Gel is a two-component, 100% solids, moisture-insensitive, high strength, high modulus, multi-purpose epoxy gel adhesive. It meets the current ASTM C881 and AASHTO M235 Types I, II, IV & V Grade 3, Class B & C specifications.

USE

Use for installation of all reinforcing steel, dowels, threaded rods, bolts, and inserts into existing concrete. Can also be used as a multipurpose bonding adhesive for structural bonding of fresh or hardened concrete to hardened concrete, sealing cracks, setting injection ports prior to epoxy injection, and as a pick-resistant sealant.

FEATURES

- High strength, high modulus
- Non-sag gel consistency
- Easy dispensing
- Made in America
- Moisture tolerant
- Solvent free
- Convenient 1:1 mix ratio by volume

PACKAGING AND YIELD

- 250 ml uni-cartridge
- 600 ml side-by-side cartridge
- 1500 ml side-by-side cartridge
- 1 gal / 3.8 L unit
- 2 gal / 7.6 L unit
- 10 gal / 37.9 L unit

PHYSICAL PROPERTIES

Shelf Life: 2 years in original unopened container
 Storage Conditions: 40°F-95°F (5°C-5°C)
 Conditioning: 65°F-85°F (18°C-29°C)
 Mix Ratio: 1:1 by volume
 Viscosity: 1/4 inch non-sag gel
 Gel Time (60g): 20 minutes
 Initial Cure Time: (73°F/23°C): 2-3 hours
 Tensile Strength: 7,500 psi (51.7 MPa)
 Tensile Elongation: 1.2%
 Bond Strength (1 day): 2,000 psi
 Bond Strength (7 day): 2,500 psi
 Compressive Strength (7 day): 12,500 psi
 Compressive Modulus (7 day): 300,000 psi
 Shear Strength: 2,800 psi (19.3 MPa)
 Shrinkage on Cure: 0.001
 Thermal Compatibility: Pass
 Heat Deflection Temperature: 140°F (60°C)
 Absorption (24 hr): 0.1%

APPLICATION

SURFACE PREPARATION: Surface must be clean and sound. Surface must be free of standing water. Remove curing compounds, laitance, grease, asphalt, rubber and any foreign matter or unsound surface.

HOLE PREPARATION: Drill hole to specified diameter and depth; Blow dust from the bottom of the hole with oil-free compressed air for at least four seconds; Brush clean with a specified brush for at least four cycles; CONT. PAGE 2

ESTIMATING GUIDE & TENSION LOADS

ROD DIA. IN.(MM)	DRILL BIT DIA. IN.(MM)	EMBED. DEPTH IN.(MM)	HOLES PER 600ML (250ML) CART.	TENSION LOAD BASED ON BOND STRENGTH		ALLOWABLE TENSION LOAD LBS.(KN) BASED ON STEEL STRENGTH		
				ULTIMATE LBS.(KN)	ALLOWABLE LBS.(KN)	F1554 GRADE 36	A193 GRADE B7	F593 304SS
3/8 (9.5)	1/2 (12.7)	3 3/8 (8.6)	115 (50)	9,800 (43.6)	2,450 (10.9)	2,105 (9.4)	4,535 (20.2)	3,630 (16.1)
1/2 (12.7)	5/8 (15.9)	4 1/2 (11.4)	65 (25)	16,400 (73.0)	4,100 (18.2)	3,750 (16.7)	8,080 (35.9)	6,470 (28.8)
5/8 (15.9)	3/4 (19.1)	5 5/8 (14.3)	30 (15)	25,200 (112.1)	6,300 (28.0)	5,875 (26.1)	12,660 (56.3)	10,120 (45.0)
3/4 (19.1)	7/8 (22.2)	6 3/4 (17.1)	18 (7)	36,000 (160.1)	9,000 (40.0)	8,460 (37.6)	18,230 (81.1)	12,400 (55.2)
7/8 (22.2)	1 (25.4)	7 7/8 (20.0)	15 (6)	48,000 (213.5)	12,000 (53.4)	11,500 (51.2)	24,785 (110.2)	16,860 (75.0)
1 (25.4)	1 1/8 (28.6)	9 (22.9)	10 (4)	62,000 (275.8)	15,500 (69.0)	15,025 (66.8)	32,380 (144.0)	22,020 (97.9)
1 1/4 (31.8)	1 3/8 (34.9)	11 1/4 (286)	6 (3)	96,000 (427.0)	24,000 (106.8)	23,490 (104.5)	50,620 (225.2)	34,420 (153.1)



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Blow again from the bottom of the hole for at least four seconds. Repeat brush and blow procedures as necessary to ensure holes are clean.

ANCHOR INSTALLATION: For dry or damp holes, fill hole 1/2 to 2/3 full from bottom up with CE308. For water-filled holes, fill hole completely full from bottom up. Insert clean anchor turning slowly until the anchor contacts the bottom. Do not disturb anchor until CE308 is fully cured.

CE308 can also be dispensed with automatic pump equipment.

LIMITATIONS

Minimum substrate temperature is 40°F (5°C). Pre-condition CE308 to 65°-95°F (18°-35°C) for easy-dispensing. Do not thin. Solvents will prevent proper cure.

CLEAN UP

Collect with absorbent material. Flush area with water. Dispose of in accordance with local, state and federal disposal regulations. Uncured material can be removed with Natural Clean or other approved solvent. Cured material can only be removed mechanically.

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